

Appendix table 5-11.

Percentage and standard errors of 17-year-old students at the indicated level of NAEP mathematics achievement, by gender, race/ethnicity, and region: 1978–96

Student gender, race/ethnicity, and region	1978	1982	1986	1990	1992	1994	1996	*	‡	L	Q
Level 250											
Total	92.0 (0.5)	93.0 (0.5)	95.6 (0.5)	96.0 (0.5)	96.6 (0.5)	96.5 (0.5)	96.8 (0.4)	+	+	-	
Male	93.0 (0.5)	93.9 (0.6)	96.1 (0.6)	95.8 (0.8)	96.9 (0.6)	97.3 (0.6)	97.0 (0.7)	+	+		
Female	91.0 (0.6)	92.1 (0.6)	95.1 (0.7)	96.2 (0.8)	96.3 (0.8)	96.0 (0.6)	96.7 (0.6)	+	+		
White	95.6 (0.3)	96.2 (0.3)	98.0 (0.4)	97.6 (0.3)	98.3 (0.4)	98.4 (0.4)	98.7 (0.4)	+	+		
Black	70.7 (1.7)	76.4 (1.5)	85.6 (2.5)	92.4 (2.2)	89.6 (2.5)	90.6 (1.8)	90.6 (1.3)	+	+	-	
Hispanic	78.3 (2.3)	81.4 (1.9)	89.3 (2.5)	85.8 (4.2)	94.1 (2.2)	91.8 (3.6)	92.2 (2.2)	+	+		
Other	94.5 (2.6)	97.2 (1.7)	91.9 (2.7)	97.9 (x.x)	96.5 (1.7)	97.0 (x.x)	97.4 (1.2)				
Northeast ..	93.8 (0.6)	95.2 (0.9)	96.6 (0.9)	94.5 (1.7)	97.3 (0.7)	97.3 (0.8)	97.5 (1.0)	+	+		
Southeast ..	87.6 (1.3)	89.2 (1.7)	94.1 (1.0)	96.2 (0.7)	95.6 (1.7)	95.6 (0.7)	95.7 (0.7)	+	+		
Central	94.9 (0.8)	94.8 (0.5)	96.8 (0.9)	97.8 (0.6)	97.9 (0.7)	97.3 (0.8)	99.0 (0.6)	+	+		
West	90.5 (1.1)	91.8 (1.0)	94.8 (1.1)	95.5 (1.0)	95.8 (1.2)	96.1 (1.4)	95.4 (0.9)	+	+		
Level 300											
Total	51.5 (1.1)	48.5 (1.3)	51.7 (1.4)	56.1 (1.4)	59.1 (1.3)	58.6 (1.4)	60.1 (1.7)	+	+		
Male	55.1 (1.2)	51.9 (1.5)	54.6 (1.8)	57.6 (1.4)	60.5 (1.8)	60.2 (2.1)	62.7 (1.8)	+	+		
Female	48.2 (1.3)	45.3 (1.4)	48.9 (1.7)	54.7 (1.8)	57.7 (1.6)	57.2 (1.4)	57.6 (2.2)	+	+		
White	57.6 (1.1)	54.7 (1.4)	59.1 (1.7)	63.2 (1.6)	66.4 (1.4)	67.0 (1.4)	68.7 (2.2)	+	+		
Black	16.8 (1.6)	17.1 (1.5)	20.8 (2.8)	32.8 (4.5)	29.8 (3.9)	29.8 (3.4)	31.2 (2.5)	+	+		
Hispanic	23.4 (2.7)	21.6 (2.2)	26.5 (4.5)	30.1 (3.1)	39.2 (4.9)	38.3 (5.5)	40.1 (3.5)	+	+		
Other	64.7 (4.9)	62.0 (6.8)	54.9 (8.2)	61.6 (7.0)	69.8 (4.8)	66.4 (6.6)	63.5 (7.2)				
Northeast ..	59.2 (2.1)	55.6 (2.5)	58.9 (2.9)	55.7 (3.2)	64.8 (2.8)	66.6 (3.8)	61.3 (4.7)				
Southeast ..	42.4 (1.9)	41.7 (2.6)	45.5 (2.0)	49.4 (2.8)	51.6 (2.8)	51.3 (2.5)	53.1 (3.0)	+	+		
Central	57.1 (2.3)	52.0 (2.3)	53.9 (2.6)	65.3 (3.3)	68.5 (3.0)	60.2 (3.2)	69.6 (3.5)	+	+		
West	45.3 (2.3)	43.3 (2.7)	48.3 (4.1)	53.8 (2.6)	53.1 (3.3)	57.1 (2.6)	56.6 (3.3)	+	+		

NAEP = National Assessment of Educational Progress

NOTES: Standard errors of the estimated percentages appear in parentheses. When no value appears (xx), statistical tests involving this value should be interpreted with caution; standard error estimates may not be accurately determined and/or the sampling distribution of the statistic does not match statistical test assumptions (see source for additional details).

*Indicates that the percentage in 1996 is significantly larger (+) or smaller (-) than that in 1978.

‡Indicates that the percentage in 1996 is significantly larger (+) or smaller (-) than that in 1994.

L Indicates that the positive (+) or negative (-) linear trend is significant; Q Indicates that the positive (+) or negative (-) quadratic trend is significant.

SOURCE: National Center for Education Statistics (NCES). 1997. *NAEP 1996 Trends in Academic Progress*. NCES 97-985. Washington, DC: U.S. Department of Education, Office of Educational Research and Improvement.

See figures 5-5 and 5-7 and text table 5-4 in Volume 1.

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